UNITE STATES ENVIRONMENTAL PROTECTION AGENCY STANDARD ANNULAR PRESSURE TEST

Operator TERRA ENERGY, LTD.			State Permit No. 41250			
Address 1165 ELKVIEW DR.			USEPA Permit No. MI-137-2D-0042			
GAY	/LORD, MI 49735		Date	of Test 7/16	113	
Well Name TERRA ENERGY LTD. 1-8 SWD				Well Type_2D		
LOCATION INFORMATION SE Quarter of the NW Quarter of the Quarter						
of Section 08; Range 30N; Township 04W; County OTSEGO;						
Company Representative Rob Bulle ; Field Inspector ;						
Type of Pressure Gauge inch face; psi full scale; psi increments;						
New Gauge? Yes □ No □ If no, date of calibration Calibration certification submitted? Yes □ No □						
TEST RESUL		5-year	or annual test on time?	Yes 🛮 No 🗖		
Readings must be taken at least every 10 minutes for a minimum of 30 minutes for Class II, III and V wells and 60			2-year test fo	or TA'd wells on time?	Yes □ No □	
minutes for C	lass I wells.		After rework?	Yes 🛘 No 🗖		
	rells, annulus pressue shoul ss I wells, annulus pressure	2	Newly permitted well?	Yes II No II		
	psig or 100 psi above max		Newly permitted well. Tes E 146 E			
injection press						
Original chart recordings must be submitted with this form.						
	D					
Time	Pressure (i Annulus	<u>in psig)</u> Tubing	Casing	size 5 1/2"		
9:37	1m 335 PSI	-27	Tubing			
9147 1	4m 33SPSI	- 27	Packer			
_ 9:57 A	m 335 PSI	- 27	Packer			
10:07 H	m 335 PSF	- 27		Permitted Injection Zoner 100 ft or less above to		
			•		_	
	AND DESCRIPTION			on Zone ? Yes 🗖 No 🗖 please submit a justifica		
		And the second second second		eturn (gal.) 2 9		
	Comments:					
Test Pressures: Max. Allowable Pressure Change: Initial test pressure x 0.03 psi						
	/ 0.4		st Period Press	sure change	psi	
Test Passed Trest Failed unwitnessed all Man a/23/13						
If failed test, well must be shut in, no injection can occur, and USEPA must be contacted within 24 hours.						
Corrective action needs to occur, the well retested, and written authorization received before injection can						
recommence.						
I certify under penalty of law that this document and all attachments are, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (See 40 CFR 144.32(d))						
			- 0.		0 11 .=	
PAVE	Johnston	Jane	John		7-16-13	

Printed Name of Company Representative Signature of Company Representative

Date